Project 2: DME 3110

Requirements

- Javascript components
  - variables
  - conditional logic
  - functions
  - event handling
- Content components
  - splash/home page with logo or description
  - 3 content pages or scenes
  - mechanism for recording user feedback on all three scenes
  - dynamic results scene
  - restart button
  - all original content (and with attribution to research gathered)

Project Idea

- Language-based quiz that promotes learning another language

Audience

- Everyone! You can never be too old to learn a language, though it is more difficult at an older age. Ideally, we'd like to target a younger audience for this reason. It's better to get people engaged before the parts of the brain that help in learning new languages starts deteriorating.
- Provisional Persona:
  - Ethan
    - Demographics
      - 13 years old
      - Lives in Omaha, NE with both parents
      - middle class family

- Problems
  - has trouble reaching out to find help in school
  - wants to be a leader but lacks the confidence to speak up with his ideas
- Behaviors
  - rides bicycles with his friends
  - gets B average in classes
  - plays baseball in the summers
  - plays video games with friends
  - slightly introverted
- Needs
  - self assurance in his actions
  - rewards for his achievements

User Journey/Story

- User enters his/her name on landing page
- input box slides over and a warm, personal greeting in two different languages comes on from the the other side of the page
- different language strikes curiosity (hopefully)
- hit continue to learn more
- brief description of game comes on screen and start button glows
- hit start button
- Question like "How do you say 'Hello' in Portuguese?" in top of screen with three large, full width choices in the bottom of the screen
- click or touch to select answer (hover effect to highlight answer)
- screen slides or fades to next questions once selected
- quiz includes at least three questions
- after final question, dynamic feedback comes on (e.g. "Not bad Ethan, you scored a 65%.")
- percentage/score slides over to one side and fun fact about language slides on as well
- restart button glows as well as a link to Duolingo

Features

- Simple, full screen layout on desktop

- three contrasting, accent colors for question/answer screens (different color for each answer)

- slide and fade animations between pages

- flat vector style illustrations/logo

- sans serif font

- mobile layout

  - answers are displayed vertically rather than horizontally